G. R. S. IX-5]

Previous references.

File No. 179-13

~~1916~~

Serial Nos. 1—9

(Local Boards)

Later references.

Ln(93-16)Sl.1-5

L.n 65-17.

LB 42-22/8+14

LB 162-27/142

Preserve

GENERAL AND REVENUE SECRETARIAT.

Serial Nos. 1

Part B for December 1916.

SUBJECT.

Construction of a bridge across the Hemavati near Gorur in the Hassan Dt.

G.O. No 3772-4 dt. 11.12.16.

Sanctions the project of Constructing a Bridge across the Hemavati river near Gorur in Hassan Dt at a Cost of Rs 1,30,000; the District Board may raise a loan of Rs 65000, and obtain a Contribution from Cochin towards the cost to the extent of the loan raised; the work must be started only after such deposit is made, and directs that a revised estimate should be prepared and submitted to Govt for sanction.

W.D. 88—G.P.B.—30,000—24-7-16

30/12

4070.

G.R.S. 11] 1913-14

GENERAL AND REVENUE SECRETARIAT.

(dB)

NOTES.

179
File No. 13

FILE HEADING.

Bridge across the Hemavati near Gonr
Hassan Dt-

From

Mr A. V. Suryanarayanachetty, Officer of Arakalgud.

No. Petn Dated 19. 1. 14 Received 21. 1. 14.

Diary No. 4070	Enclos.	Spare Copies.	Serial No. 1

BRIEF ABSTRACT OF LETTER.

States that they are prepared to lend at 4% interest a sum of Rs 50000 towards the cost of Constructing a bridge across the Hemav near Gonr and pray that it may be caused to be constructed.

NOTES AND ORDERS.

1. At the last representative assembly Govt appear to have unofficially informed the members, who proposed to moot the subject, to the following effect

"Govt will guarantee 4% interest if a capital of Rs 50000 can be raised by the people. The Govt will

irst Sheet.

GPB—35,000—15 6-12

G. R. S. 12]

4070 (2

General and Revenue Secretariat.

LB File No. 179 of 1913-14

Serial No.	
	Consider and let you know. 2. Pending further action may this be referred unofficially to the Chief Engineer for favor of opinion as to what a bridge at the place is likely to cost and if the cost is likely to be very heavy, what the cost of constructing a suitable causeway is likely to be. Subd for orders. KP 89 21.1.14 BAC
U. D. No. 148 of 22.1.14	(7) 3. Forwarded unofficially to the Chief Engineer for favour of report furnishing an abstract estimate of cost of a bridge or causeway across the Hennavati near Gorur. By order Boganamakki for Secy to Govt 22/1/14 G & R. Dept.
	4. The Executive Engineer, ... Division, submitted a ... for constructing a bridge ... Hennavati ... roughly estimated ...

G. R. S. 12]

General and Revenue Secretariat.

2B File No. 179 of 1913-14

Serial No.

Cost Rs 95,000 and that for a Causeway Rs 5000.

25 The projects, as received, being very rough, he has been requested to submit detailed plans and estimates for the works. They will be forwarded on receipt.—

H. Thomas
Offg: Chief Engineer
& Secretary.

Bangalore,
21. 4. 1914.

4070

G. R. S. 12]

General and Revenue Secretariat.

LB File No. 179 of 1913-14

Serial No.

This is one of the important subjects whose progress has to be watched & reported

KP 25/7/14

✓ Submitted with the remarks of the Chief Engineer.

KP 82 24.4.14 BS

7. Await receipt of further report of the Dy Com.r also Bring up on date fixed hereon, in his order in pursuance of Deputy Commissioner's note

BDM 25/7

8. No report has yet been received from the Deputy Commissioner. Draft Reminder is put up for approval.

KP 82 1.7.14 BS

9. Issue

BDM 10/7

To the Dy Com.r, Hamirpur. No. 17.7.14

Draw his attention to the Deputy Commissioner's note of inspection in the course of his visit to Bilaspur on 20.2.14 in connection with the proposal to construct the bridge across the Bamarthi near Ghumarwin & request to expedite the submission of the report therein referred to.

" from the same Office. No. 38/S dt 17.7.15. Submits the report called for together with the Board's resolution dt 28.7.14 urging the construction of the bridge from State funds.

12. Whereas the Board's resolution is dt 28.7.14, and it is not clear why there has been a long delay of about one year in submitting the report

G. R. S. 12]

General and Revenue Secretariat.

LB File No. 179 of 1913.

Serial No.	
	13. The Board plead utter inability to make a contribution towards the construction of the bridge and ask that the entire cost be met from State Funds, accepting for the present a loan of Rs. 65,000 from certain private gentlemen.
	14. The project has been roughly estimated to cost a sum of Rs. 95,000/ and detailed plans & estimates are still under preparation.
	15. The papers may be forwarded again unofficially to the Chief Engineer, for expediting the details promised in his U.O. note in paragraphs 4 & 5 supra and for favor of opinion as regards the urgency for the bridge and also for the ways and means for meeting the charges.
	LB 28/7/15
U.O. No. 26 of 15 dt 30th July 15.	16. Forwarded to the Chief Engineer in Mysore with reference to his note dt 21st April 1914 (Pp 2-3).
	30th July 1915
	for Secretary to Government.
	for Secretary to Government.

NOTE—Contn. sheet.

GPB—25,000—30-4-15.

G. R. S. 12]

General and Revenue Secretariat.

Ls File No. 179 of 1913.

Serial No.

17. R.R. subject no. 272 of 1915 re Bridge on the Hemavathi river near Jonnahalli Reply of Govt. Received.

18. The file on the subject containing the report from the D.C. Hassan on the subject has been subd. to the Chief Engineer vide Lr. this office U.O. no. 26 dt. 30-7-15

19. The Reserve design sent up for approval.

12.2.16 20. Approved

14/2 18/2

21. Letter No. 599 dt. 17-2-16 to the Chief Engr. & Secy. invites attention to G.O. 4th dt. requests him to state the stage at which the question now stands.

22. Letter no 2206 dt. 7-3-16 from the Chief Engr. states in reply that the project is under scrutiny in his office and will be disposed of shortly.

23. If approved the Chief Engr's re. O. opinion on the design will be awaited.

22/3/16 24/3/16 24. Approved 24/3

23/3

G. R. S. 12]

General and Revenue Secretariat.

do. File No. 179 of 1913.

Serial No. 25

From the Deputy Comr., Hassan, no. 438/S of 26-5-1916 submits for sanction an Estimate-Amt of Rs. 1,61,700 for Constructing a bridge on the Hemavati near Gorur.

26. The report received on the subject with the Deputy Comr's letter no 33/S of 17-7-1915 ref'd to in the forecast letter was sent to C.O. of Chief Engr in 30-7-15.

27. The main file with the C.O. ref'd to has not yet been received back in this Office but it is learnt from the P.W. Secrett that the matter is now under Consideration there.

28. May this paper also be sent to that Secrett in Continuation?

RC(3rd) 46/15

No 215-15 Dt 6.6.16

96 29. Forwarded with Compliments to the Chief Engineer in Mysore in Continuation.

for order

Bangalore 6 June 1916

for Secy. to Govt Revenue

Mr II) The issue has been despatched Bearing up Date accordingly

AHS 16/6/16

AHS 8/6/16

The file is ordered to be consigned to Records

NOTE—Contn. sheet.

G.R.S. 13]

LB.179-13

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

Sl. 8

30. From the Ch Engr. no. 5769 of 15-6-16. Forwards Estimate for Rs 1,67,700 for the Construction of a bridle across Kamarkhad near Jorwar Khassan Rd and states that a copy of the Estimate has been sent to the Dy Com^r, Thana for necessary action in the matter of financing the project.

Sl to b

31. The papers ending with the Deputy Comm's report already received in connection with the financing of the work & sent from this Office with Do. no. 215 of 6.6.16, have not been returned with the Do. Reply along with the letter under reference.

32. Draft calling for their early return is submitted

Ky. (30) 33. Issue. 27/6-16

26.6.16

B

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

GPB—50,000—5-8-15

9

27/6

"Note"

Ks. 179-13

On memo

9442 9/27.6.16

The Assistant Secretary
O.W. Secrett.

Sir,

I am directed to forward herewith the Hasan Deputy Commissioner's report on the subject of bridging the Hemavathi River at Gorur, sent from this office with No. Rs. 215, 9.6.16 : it is urgently wanted in advance of your office letter No. 576 9.15.6.1916. The favour of its early transmission with the No. Reply is requested.

By order

Asst Secy., Br. W.,
G.R.S.

27/6

27/6

G. R. S. 12]

General and Revenue Secretariat. | G.A. File No. 79 of 1913.

IV / 69 / Serial No. 74

Unoffl No. 184/P.W.D. Gyme.
Dated the 7th May 1916

35. Returned with Compliments to the Secretary to Govt. Revenue Deptt. with the intimation that the project has been forwarded to Govt: for orders - vide this office No. 5-769 of the 15th June 1916.

Bangalore
7th July 1916

R. V. Sundaram
for Chief Engineer of Myanma

G. R. S. 12]

General and Revenue Secretariat.

L-B File No. 179 of 1913.

Serial No.

Subd with the U.O. reply from the Chief Engr. with reference to paras 30 & 31 supra.

37. The Estimate for Rs. 1,61,700 prepared by the Chief Engr. for Constructing a bridge across the Cavaty river near Sirur has been received from the Dy. Comr., Hassan in Sl. 7 with his report thereon.

38. In the matter of financing the project the Dy. C refers therein to his previous letter on the subject dtd. 33/5 of 17.7.1915 (Sl. 3) wherein he has also stated that owing to the low finances of the District Board the Cost of the Scheme could not be met from its funds and suggested it being met solely from State funds, as has been done in the Case of the Holenarsipur Bridge, which was learnt from the D.W. Secrett. was Constructed during 1898-99 at a Cost of Rs. 1,21,731 met from Local Funds General.

39. It is seen from the Dy Comr's letter refd. to above that Certain private gentlemen have promised to Contribute Rs. 65,000 towards the project to be repayable in 30 years at the Govt. guarantee of 4 per Cent interest.

40. The present financial condition of the Dist. Board is —

Opening balance		50,007
Receipts		116,630
Total		1,66,637
Expenditure		148,681
Closing balance		17,956

Subd for orders.

KC. (30)
14.7.16

GPB—70 & 10—17-12-15

4503

G. R. S. 12]

General and Revenue Secretariat. | A 1 File No. 179 of 1913

Serial No.

41. Issue orders. A lakh of Rupees has been provided. (Rev. Secy.) 17/7-16

42. The question of constructing a Bridge across the Nemarkhi near Gomur involves an expenditure of Rs 1.61.700/ according to the Estimate furnished by the D.P.W. The original rough Estimate was about Rs 90.000/- On which raising the people amount of 4% interest would appear to have been promised by Govt to the last Session of the Representative Assembly. The Dist. Report that certain private gentlemen have promised to contribute to the tune about Rs 65.000 repayable in 30 years at 4 p.c. interest. The Dist. Board is not prepared to meet the deficit of nearly a lakh of Rupees to complete the work. Funds have been found for the undertaking. Submitted to:-

1st Member
Dewan

17.7.16

42. 17/7-16

Much money has been spent in the planning of these large schemes is first settled. At present everything is in the air.

42. I propose that the papers be recorded till the people are able to raise a loan for

I. R. S. 12]

4503

General and Revenue Secretariat.

61 File No. 9 of 1913

Serial No.

Executive Council

the question proposed by

Govt

21. 21-7

45. I believe Govt have committed themselves to this project - The only question for consideration is how to give effect to it. The matter may be considered at a meeting of Council. 22/7-16

22.10.16.

46. Genl Secretary) Pl favr of further action

24/10/16

P. M.

24.10.16

14

or disposal at an Informal Meeting)

No. C. 781

2. 11. 1916.

GENERAL AND REVENUE SECRETARIAT.

Council Matter.

SUBJECT.

(Outside the Schedule).

Question of providing funds for the construction of a bridge across the Hemavathi river at Gorur on Hassan-Periapatna-Cannanor Road.

CIRCULATED TO THE MEMBERS OF COUNCIL.

By Order,

1st November 1916.

Secretary to Government.

Extraordinary Member of Council. Not sent to Ext. Member as he is not well.

First Member of Council. well 6/11 agree 8/11

Second Member of Council. 6/11 agree 3/11

WD 2012—GPB—1 000—9-2-16

I. 47.

Extract from the Proceedings of the 402nd Meeting of the Council of His Highness the Maharaja, held at Bangalore, on the 23rd November 1916.

11. Subject.- (Outside the schedule.)

Question of providing funds for the construction of a bridge across the Hemavati river at Gorur on Hassan-Periapatna-Cannanore road.

OPINION OF THE COUNCIL.

The estimate of cost may be reduced to Rs.1,30,000. Rs.65,000 may be raised as a loan as suggested and deposited. The work may be started only after such deposit is made. Government will contribute towards the cost to the extent of the loan raised.

Sd. M. Visvesvaraya,
Dewan of Mysore.

"EXTRACT"

D. M. Narayana Rao,
Secretary to Government,
General Department.

W. D. 1864—GPB—500—14-12-1

4503

G. R. S. 12]

General and Revenue Secretariat.

Lns. File No. 179 of 1913.

Serial No.

Extract from the Proceedings of the Council is put up.

Forwarded with compliments to the Secretary to Government, Revenue Department for favour of necessary further action.

By Order

D. M. Narayana Rao 25/11

Secretary to Government,
General Department,

Asst Secy) Submit for D.S.N. to draw up for 2nd member
Vk 24/11

2nd Member) Asst 24/11

D.M. 24.11.16

49. Subt with both D.T.N & D.S.N

19.(30)
27.11.16

Asst 27/11

Submitted
Mahadevappa
27.11.16

II Member) VD 29.11

Please put up with a typed copy of D.S.N. Engs — Vk 29.11.1916

Asst Secy) Submitted with D.S.N. to-day
D.M.
29.11.16

D.S.N. Subt.
19.(30)
29.11.16

Asst Subd with D.S.N.
D.M.
29.11.16

Rev. Gen: Secretary)

W D 2382—GPB—500—20-3-16

16

4503

G. R. S. 12]

General and Revenue Secretariat.	File No.	of 191
Serial No.		

D. 7 N. approved by S'moker & Orbaste
with D. S. N.
D Graham
Ld 30/11
Gd
D. M
30.11.

Final Note by the Second Member of Council.

Subject:

Question of providing funds for the construction of a bridge across the Hemavati [illegible] on the Hassan Banda patna-Cannanore Road. ——

On the repeated representations of the people, the Dewan in his tour notes in the Hassan District dated 20th February 1914 desired the Deputy Commissioner, Hassan, to furnish a report in the matter of constructing a bridge across the Hemavati River -- near Gorur which was roughly estimated to cover one lakh of --- rupees and for which an offer of a loan of Rs.65,000 at 4% per annum was received from two gentlemen of Coorg and two others of Arkalgud.

2. The Deputy Commissioner reported that the bridge in --- question was very necessary; that the cost thereof might be met from State Funds since the District Board was not in a position to meet the same; and that the private loan of Rs.65,000/- might be repaid in 30 years out of the realizations to be expected from tolls to be levied on the bridge.

3. The question was then raised as a D.R.A. Subject No.272 of 1915, the reply of Government thereto being that as the project was graciously approved by His Highness. the work will be ordered to be taken up earl

4. Thereupon the Chief Engineer was requested to prepare an abstract estimate for the scheme; and that officer submitted an estimate costing Rs.1,61,700/- after emphasizing the necessity for the bridge.

x 13 of Tour notes

5. The Dewan, then desired that, as Government had committed themselves to the execution of the project, the question of

of giving effect to the same, might be considered at a meeting of the Council.

Page 14 of office note

6. The Council resolved (1) that the cost may be reduced to Rs.1,30,000 (2) that a private loan of Rs.65000 may be raised as suggested and deposited (3) that the work may be started only after such deposit is made and (4) that Government may contribute towards the cost to the extent of the loan raised.

The resolutions of the Council may be approved.

Second Member of Council.

25.11.16

Submitted to His Highness.

I submit herewith a "Final Note" by the Second Member of Council briefly explaining the history of the project for the construction of a bridge across the Hemavati river near Gorur on the Hassan-Periapatna-Cannanore road.

Office note.

2. I agree with the resolution of the Council and submit the matter for the gracious approval of His Highness.

M V

4 Dec 1916

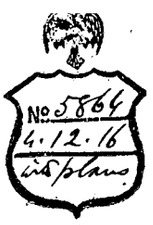
4503
4294
328
253

281

Record of Cases submitted for the Orders of His Highness the Maharaja.

Subject.

Question of providing funds for the construction of a bridge across the Hemavati River at Gorur on the Hassan-Periapatna-Cannanore Road.



Order.

Approved.

Vide D.O. letter No. 156 dated th 6th December 1916 from the Private Secretary to His Highness.

Lentaigne RD.

7.12.16

Draft order according to 2nd Note
Note submitted for approval
Asst Legl Adviser
7-12-16

Please put up Draft accordingly as above

7.12.16

162
18.12.16

18/12

Recd. at 5-15 pm
15. 7/12

D.O.No.156.
with 5 files.

THE PALACE,
[illegible]
6th December 1916.

My dear Sir,

In returning the files noted overleaf, I am directed to say that His Highness approves of your recommendations in all cases.

(Sd) R.H. Campbell.

Sir M. Visvesvaraya, K.C.I.E
Dewan of Mysore,
Mysore.

x
"

File No.5864/4-12-16. Subject.- Question of providing funds for the construction of a bridge across the Hemavati River at Gorur on the Hassan-Periapatna-Cannanoor Road.

COPY.

Under Secretary,
on duty with the Dewan

G. R. S. 12]

General and Revenue Secretariat.

L.R. File No. 179 of 1913.

Serial No.

294
8.12.16.

Draft subd.

KP. (30) 8/12/16 For approval
D.M. 8.12.16

Rev: Secretary)

2° member) For approval
8/12 GB

Yes. I.

GB 8/12
D.M. 8.12.16

GK 9/12
D.M. 9.12.16

To.

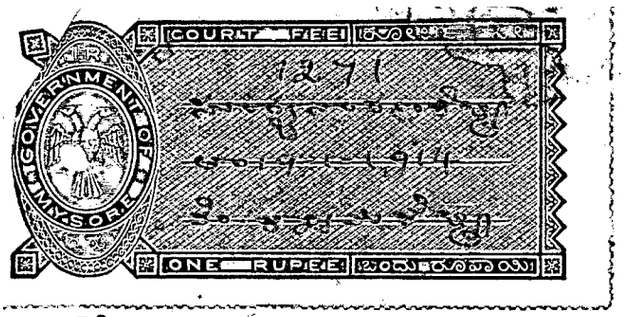
The Dy Commr. & Resident, Dt. Pd. Hassan

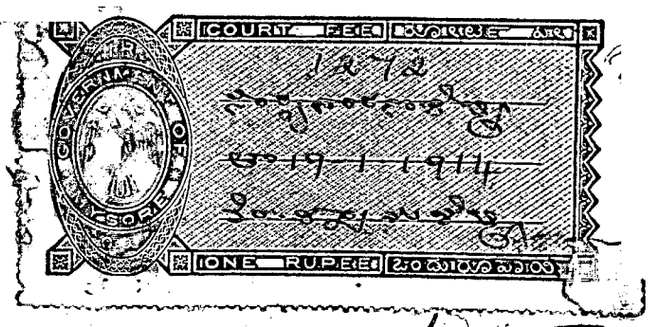
The Comptroller, Mg

The Chief Engr

No 3772-4 dy 11.12.16.

Sanctions the construction of the bridge at a reduced cost of Rs 130,000/- Slots being taken to raise a loan of Rs 65,000/-





TO,

LB 179-13
Sel

D 4070/13

M. Visvesvaraya Esq, B. A., L. C. E., C. I. E.

DEWAN OF MYSORE,

Bangalore.

Sir,

May it please you to grant our prayer to construct a bridge across the Hemavati river in Gorur in the Hassan Taluk. We the undersigned are prepared to advance Rs 50,000/- as per instruction graciously given to Messrs: A. V. Suryanarayana Setty and Ramaswami Iyengar during an interview on 18th October last. Your noble and inspiring advice to us to cooperate with the Government in all efforts of public utility and the promise of at least 4 % interest on the loan has been a stimulus to us to come forward to lend our mite and request you to errect the said bridge, Government supplementing the estimated cost.

It is needless for us to point out the urgent need for its construction. Poor as we are in this country we have come forward to do our best to cooperate with the Government being fully aware of our wants.

Anxiously awaiting a favourable reply,

We beg to remain ,
Sir,
Your most obedient citizens.

Date. 19 , 1 , 1914

ARKALGUD

A. V. Suryanarayan Chetty
Arkalgud

G.R.S. 26]

97

24

File No. 179/13

Serial No. 2

Diary No. of letter replied to

No. 28179-13 dt. 17.7.14

General and Revenue Secretariat

( )

, the 19 .

Date of issue 17.7.14

Signed by Mr. A.V. Ramanathan

To

The Deputy Commissioner

Hassan District

Sir

I am directed to invite your attention to the Dewan's note of inspection on the occasion of his visit to Arkalgud on the 20th Feb 1914 in connection with the proposal to construct a bridge across the Hemavati near Gorur and to request you to be

over.

SUBJECT.

so good as to expedite the
Submission of the report
referred to therein.

I have etc

For Offg Secretary to Govt
Genl & Rev Depts

Enclosures,

Copied by

Examined by

GPB—12,000—23.9.11

D253

LB 179-13-3

1915-16.

Office of the Deputy Commissioner,
ssan District.

Dated Hassan, 17th July 1915.

om

B.Ramaswamaiya Esqr., B.A.,B.L.,
Offg. Deputy Commissioner,
Hassan District.

To

V.R.Thyagaraja Iyer Esqr., M.A.,
Revenue Secretary to the Government of
His Highness the Maharaja of Mysore,
Bangalore.

ir,

With reference to your letter No. 715/L.B.179-13-2 dated 17th. July 1914 inviting attention to the Dewan's note of inspection of Arkalgud on 20th. February 1914 in connection with the proposal to construct a bridge across the Hemavati river near Gorur and calling for a report as to what amount the District Board will be able to contribute etc., I have the honour to state that the Amildar of Arkalgud Taluk from whom the detailed report was called for, reported in his ittilla No. 892 dated 30th. June 1914 after a thorough en-quiry that it was very necessary to have a bridge in the place named, that the realisation from the toll that may be established there may not come to more than Rs2000/- per annum, as the newly proposed railway line would when it is completed, take away much of traffic in another direction and it is a question whether the toll realisation would cover the interest on the capital laid out for the purpose.

2. When this subject was placed before the District Board at their meeting held on 28th. July 1914, a resolution was passed to the effect that considering the unsatisfactory condition of the finances of the District Board as expressed by Government (Vide General and Revenue Secretary's letter No. 188/Med.44-13-81 dated 6th. July 1914) it is not possible for any contribution being made from District Funds, towards

191[illegible]-14.

From [illegible] Esqr., B.A., B.C.S.,
C.S.C. Deputy Commissioner,
[illegible] District.

To [illegible] Esqr., M.A.,
[illegible] Secretary to the
Government of H.M. the
[illegible] of Mysore, Bangalore.

Dated [illegible] 1914.

Despatched

Received

General No.
No.

Enclosure No. One.

Subject.

Submitting a report in connection with the proposal of constructing a bridge across the Hemavati at Gorur.

the construction of a bridge over the Hemavati river near Gorur.

It was further resolved that, as this is a very dangerous crossing when the river is in flood owing to the proximity of the junction of the Yagachi river, Go-vernment be moved to kindly sanction the cost of the con-struction of the bridge from State Funds (as was done in the case of the Holenarasipur bridge) the promised loan of Rs 65,000/- from private gentlemen being accepted by Government at 4% interest for a period of about 30 years to be met partly, if not wholly, from realisations of toll which may be established on the bridge after its construction.

A copy of the Board's resolution is herewith sub-mitted.

I have the honour to be,

Sir,

Your most obedient servant,

Assistant Commissioner,

For Deputy Commissioner and Presi-dent,
District Board, Hassan.

(Absent from Head-quarters.)

Proceeding of the [illegible] meeting in 1914-15 of the Hassan District Board, held at Hassan on Tuesday the 28th. July 1914.

Present.

.R.W.Wetherall Esqr., Presider

Ex-officio Members.

Ir. P.Gopalaraj Urs B.A.,B.L., Vice President.

" S.N.Appanna Iyengar B.A.,B.L., Ag. Assistant Commissioner, Chennarayapatna Sub Division.

" M.Sadasiva Rao B.A.,B.L., Ag. Assistant Commissioner, Sakleapur Sub Division.

" G.Asirvatham M.B.C.M., District Medical and Sanitary Officer, Hassan.

" K.R.Seshachar B.A.,C.E.,B.E., Executive Engineer, Hassan Division.

" K.N.Veerabhadraiaya B.A., Deputy Inspector of Schools, Hassan District

Non-official Members.

Mr. M.L.Lakshminarasimhachar, Hassan Taluk.

" Mohamed Raza,

" B.Alasingrachar,

" K.Mahadevappa,

" C.Lake, Manjarabad Taluk

" Mohemed Salar Sab, Belur Taluk.

" K.Thammiah, Belur Taluk.

" Marulasiddappa Setti Arsikere Taluk.

" K.Kencharayasetti, Arsikere Taluk.

" G.Thirunarayana Iyengar, Chennarayapatna Taluk.

" G.K.Padmarajiah, Chennarayapatna Taluk.

" Chikkabidi Nanjanna, Chennarayapatna Taluk.

" M.Subba Rao, HoleNarasipur Taluk.

" K.Venkatadasappa Chetty, Hole Narasipur Taluk.

" M.Suryanaranappa, Arkalgud Taluk.

" P.Ramaswami Chetty,Arkalagud Taluk.

N.B.-- All the Amildars and the Deputy Amildar ,except Amildar of Chennarayapatna Taluk,were present.

x x x x x x

XVIII. -(a) Read extract of notes of the Dewan's tour the Arkalgud Taluk on 20th February 1915 ,in re;the construction of a bridge across the Hemavathi near Gorı

(b) Read also Arkalgud Taluk Amildar's report

2n.

SUBJECT No. 272.

Bridge on the Hemavathi river near Goroor.

Messrs. G. Ramaswamiengar, Hassan taluk, and P. Suryanarayana Setty, Arkalgud taluk.

Summary of discussion.—It has been several times urged that a bridge on the Hemavathi river near Goroor is a great want, on account of which the people in the vicinity are put to considerable inconvenience. Its construction may be ordered to be taken up early. The people are quite ready to pay Rs. 50,000 as loan towards the cost of construction.

Reply of Government.—Will be done. This has been graciously approved by His Highness the Maharaja.

G. R. S. 26]

SUBJECT: A bridge across the Hemavathi near Gorur, Arkalgud Tk.

Diary No. of letter replied to 5995

Section 44,
File No.
Serial No. 5

General and Revenue Secretariat
(— 44)
, the '91 .

No. 5995
L83179-13-
dt 17.2.16.

Date of issue 17.2.16

To The Chief Engineer

Signed by Sd/- A. V. Ramanathan for

with ref to this Office L-6 dt 30-7-15, I am directed to invite your attention to R.T. Sanction No. 272 of 1915 in the matter of the Construction of a bridge on the Hemavathi River near Gorur in Hassan Dist. and the reply of Govt. thereto and to request that you will forward with information as to the stage at which the pro

~~Sketch as referred to in the~~
~~letter H.O. no. 16 of 30-7-1915~~
now sent.

Yours, &c

15/-

Dr Keay, Revd Supt.

TELEGRAPHIC ADDRESS: *Statewoks.*

D 3287

203 179-13-6.

No. 2206

MYSORE P. W. DEPARTMENT.

CENTRAL OFFICE,

Bangalore.....7th.....March.....*191*6.

From Rajasabhabhushana

KARPUR SHRINIVASRAO, ESQ., B.SC., L.C.E.,

Chief Engineer of Mysore,

Bangalore.

To

V.R.Thyagaraja Iyer, Esq., M.A.,

Secretary to Government, Revenue Department,

Bangalore.

Sir,

With reference to your letter No.5995/L.P.179-13-5 of the 17th February 1916. enquiring in what stage the question of constructing a bridge on the Hemavati river near Gorur now stands, I have the honour to inform you that the project is under scrutiny in this office and will be disposed of shortly.

I have the honour to be,

Sir,

Your most obedient servant.

H.R.R.

For Chief Engineer of Mysore

GTE—[illegible]—16-1-15

191 5-16.

MYSORE P. W. DEPARTMENT.

No. 2206.

From

THE CHIEF ENGINEER OF MYSORE,

Bangalore.

To

The Secretary to Governma
Revenue Departm

Dated Bangalore, 7th March 191

Despatched 8 - 3 - 1916.

Enclosure No.

SUBJECT.

Informs that the project
for constructing a bridge acro
the Shimsha near Somna
under scrutiny in the offi

Office of the Deputy Commissioner.

Hassan District.

D 4244 Dated Hassan the 26th. May 1916.

L B. 179-13-7

From

C. Venkata Rao, Esquire. B.A.,
Offg. Deputy Commissioner,
Hassan District.

To

V.R.Thyagaraja Iyer. Esquire. M.A..
Secretary to the Government of His
Highness the Maharaja of Mysore,
Revenue Department, Bangalore.

50.3

Sir,

In continuation of this office letter No.33/8 dated the 17th.July 1915 submitting a report in connection with the proposal of constructing a bridge at Hemavati river near Gorur in the Hassan Taluk, I have the honor to submit herewith in original a copy of the estimate amounting to — Rs161700/- for constructing a bridge in question received with Chief Engineer's letter No.4842 dated 23rd.May 1916 and to state that as the project has been graciously approved by His Highness the Maharaja of Mysore (Vide reply of Govern-ment on Dasara Subject No.272 of 1915) I request that you will be so good as to obtain sanction of Government to the same the cost being met as proposed in the letter above ---- referred to

I have the honor to be.

Sir,

Your most obedient servant,

C Venkata Rao

Offg. Deputy Commissioner,
Hassan District.

Waterway provided for the 18'0" Estimate Crown Bridge with Springing level of arches at 70·00. & H.F.L. of 74·50 at 2' below crown of arch.

Ewd 1179-17

No. of arches	Breadth	Depth	Area	Total of each arch	Total area.	Remarks.
	30	8	240			
	29½	8	236			Earthwork clearing up to 50.50.
	29	3½	191½	567½		
2	30	8	240	577.5		
	29½	8	236			——do——
	29	3½	101.5 91½	577.5 567½		
3	30	8	240			
	29½	8	236			——do——
	29	½	14½			
	29	2	58	548½		
4	30	8	240			
	29½	8	236			Free waterway —
	29	$\frac{4½+1½}{2}$	87	563		
5	30	8	240			
	29½	8	236			Free waterway
	29	$\frac{1¼+2}{2}$	47⅛			
	29	1	29	552⅛		Blasting rock.
6	30	8	240			
	29½	8	236			
	29	4½	130½	606½		Free waterway
7	30	8	240			
	29½	8	236			——do——
	29	$\frac{4½+2}{2}$	94½			
	29	1	29	599½		Blasting rock.
8	30	8	240			
	29½	8	236			Free waterway
	29	3	87			
	18	$\frac{13+0}{2}$	117			
	30	1½	45	725		Blasting rock.
9	30	8	240			
	29½	8	236			
	29	8	232			
	28½	8	228			
	28	$\frac{1+3½}{2}$	63	999		Free waterway

36 10	30	8	240		
	29½	8	236		
	29	8	232		
	28½	8	228		Free water
	28	3½	98		
	28	$\frac{0+3\frac{1}{2}}{2}$	49	1083	
11	30	8	240		
	29½	8	236		
	29	8	232		——do——
	28½	8	228		
	28	$\frac{7+8}{2}$	210		
	11	$\frac{0+1}{2}$	5½	1151½	
12	30	8	240		
	29½	8	236		
	29	8	232		— do —
	28½	8	228		
	$\frac{28+17}{2}$	8	180		
	$\frac{17+11}{2}$	3½	49	1165	
13	30	8	240		
	29½	7½	illegible		— do —
	28½	$\frac{11\frac{1}{2}+0}{2}$	163 7/8	625 1/8	
14	30	8	240		
	27½	$\frac{6+\frac{1}{2}}{2}$	118	358	——do——
15	30	3½	105		
	30	$\frac{5\frac{1}{2}+0}{2}$	97½		
	28	½	14	216½	Earthwork proc
16	30	3½	105		Carrying up to 66
	$\frac{30+24}{2}$	5	135	240	— do — 6
			Total up to 70.00	10567 3/4	
			Area of cross 70.00 to 74.50	2136	
			(i.e 2 feet below crown)		
			Total.	12703/4	Earthwork at 74.50, H.F.L
			Total ordinary position.	1053½ + 516 = 1	

Hassan.
21.1.1915

Executive Engineer
Hassan Divis

Mysore Public Works Dept^t — Hassan Division — 37

Estimate of the probable cost of Constructing a Causeway across Hemavati River near Gorur and Remodelling the Hassan Periapatna Cananore Road.

Details of work	No.	Dimensions			Contents		
Removing boulders &c by blasting	Lumpsum						20/-
Benching rock foundation for side walls in rocky portions	2	360	2	av. 1½	2160	@	80
Size Stone Masonry including pointing Side retaining walls	2	360	2	av. 2½	3600	cft	3600
Bevel stone slabs Coping slabs over walls	2	360	2	½	720	cft	720
Filling rough stone masonry between walls for road way	1	360	18	1½	9720	cft	9720
Rough Stone work for ramps							
Left approach	1	91	18	2¼	3686		
Right do	1	113	18	2¼	4576		
Total					9262	@	306
Earthwork Cutting 1st T. side slopes with a gradient of 1 in 15. approaches.							
Left approach	1	210	0+486 / 2+9		1890		
	1	91/3	486+0 / 2+9		819		
Ramp	1	91/3	18/3	2¼/3	137		
Right approach	1	113/3	0+870 / 2+9		1826		
	1	300/3	870+0 / 2+9		4672		
Ramp	1	113/3	18/3	2¼/3	170		
Total					9676	@	9676

Abstract

Items of work	Rs	Rate	Quantity	Cost
Removing boulders &c by blasting	Lumpsum		as	20
Benching rock	Cft	3	80	240
Sqr Stone masonry including pointing	Cft	" 4 "	3600	900
Burnt stone slabs fixed in mortar	Cft	" 12 "	720	540.
Joining the above with iron clamps fixed in lead	No	1 8	90	135
Filling with rough Stone masonry between walls	Cft	" 3 6	9720	2126
Rough Stone work for ramps	Cy	1 2	306	344
Earthwork, cutting approaches, average	Cyd	" 3 "	9676	1814
Joining road as per Demarcation	Ft	1/20	9	1080
Constructing a stone masonry tunnel	Rs	500	1	500
Compensation for land	Lumpsum		as	500
Total				7999
Contingencies at 5%				399
Grand total rupees				8398

K. G. Seshachar

Executive Engineer
Hassan Division

Hassan
15/1/15

Mysore Public Works Department. Hassan Division

Estimate of the probable cost of Constructing a Bridge across the Hemavati River near Gorur Hassan Taluk. Springing level 70.00.

H.F.L of 1911 is 74.50 is 2¾ feet below crown of arch

Details of work.	No.	Dimensions	Contents	Total
Earthwork, excavation in Sand, ordinary clay and black Cotton Soil clearing approaches left side from 74.25 to 50.50	1	as worked in Courtesy given and attached plan av: $\frac{300+70}{2\times3}\times\frac{70+96}{2\times3}\times\frac{23\frac{3}{4}}{3}$	13507 cyds	13507 / 13500
Earthwork excavation in Soft, hard and gravelly Soils.				
Clearing Site, right side 74.75 to 66.50.	1	av $\frac{200+70}{2\times3}\times\frac{30\times60}{2\times3}\times\frac{8\frac{1}{4}}{3}$	1856	✓
——do—— 66.50 to 61.50.	1	$\frac{200+70}{2\times3}\times\frac{45+40}{2\times3}\times\frac{5}{3}$	1062	✓
Total			2918 cyds	2918 / 2198
Removing loose rocks and boulders at site of blasting		Lumpsum	cyds 300	
Blasting rock above ground level at Site		——do——	cyds 300.	

Abstract sheet:—

(1)	East abutment 50.00 to +1.50	1	21 3/4	7 1/4	3	473
	E counterfort Side —do—	2	4	4 1/2	3	99
	—do— Centre —do—	1	3	5	3	45
	W Wing —do—	2	10 1/2	10 3/8	3	653
	N wall. —do—	2	9 1/2	2 3/8	3	135
	Pier No 1 —do—	1	23 1/2	6	3	513
	Pier No 2 —do—	1	29 1/2	7	3	620
	3rd arch clearing for waterway	1	29/2	20 1/2	3/2	620
	Pier No 3 to +49.50	1	20 1/2	6 1/2	3	556
	—do— 4 —do— 52.00	1	20 1/2	6	3+3 1/2 / 2	556
	5th Arch clearing for waterway	1	29	25 1/2	1	826 1/2
	Pier No 5 to +49.50	1	29 1/2	7	4+3 / 2	723
	—do— 6 —do— 49.50	1	23 1/2	6	3	513
	7th Arch clearing for waterway	1	29	27 1/2	1	797 1/2
	Pier No 7 to +51.00	1	20 1/2	6	4+3 / 2	577
	8th Arch clearing for waterway	1	30	30 1/2	1 1/2	1372 1/2
	Pier No 8 37.00	1	21 1/2	8	4+3 / 2	882
	Pier No 9 34.50.	1	30 1/2	7	4+3 / 2	747
	—do— 10 31.00.	1	30 1/2	7	3+3 1/4 / 2	667
	—do— 11 27.00.	1	32 1/2	8 1/2	5+3 / 2	1105
	—do— 12 38.00	1	29 1/2	6 1/2	3+1 / 2	959
	—do— 13. 54.50	1	27 1/2	5 1/2	3+4 1/2 / 2	567
	—do— 14. 60.00.	1	32 1/2	9 1/2	3+4 / 2	773
	15th Arch clearing for waterway	1	28	25 1/2	1/2	357
	Pier No 15 [illegible]	1	[illegible]	[illegible]	[illegible]	397
	Right abutment to +61.50	1	21 3/4	7	3	457
	E counterfort Side —do—	2	4	4 1/2	3	105
	—do— Centre —do—	1	3	5	3	45
	W Wing —do—	2	18 1/2	6 3/4	3	418
	N wall. —do—	2	5 3/8	2 3/8	3	77
					Total.	16747 617

Chisel Cutting Sides of foundation:—

Left abutment	2	$21\frac{3}{4}$	3		130	✓
——do——	2	4	3		24	✓
——do——	2	3	3		18	✓
Wings	2×2	$10\frac{1}{2}$	3		126	✓
Newels	2×1	$9\frac{1}{2}$	3		57	✓
——do—	2×2	$2\frac{3}{8}$	3		28	✓
Pier No	2	$28\frac{1}{2}$	3		171	✓
——do——	2	6	3		36	✓
——do— 2	2	$29\frac{1}{2}$	7		413 ~~177~~	
——do——	2	7	3		42	✓
——do— 3	2	$28\frac{1}{2}$	3		171	✓
——do——	2	$6\frac{1}{2}$	3		39	✓
——do— 4	2	$28\frac{1}{2}$	$\frac{3+3\frac{1}{2}}{2}$		185	✓
——do——	2	6	$\frac{3+3\frac{1}{2}}{2}$		39	✓
Pier No 5	2	$29\frac{1}{2}$	$\frac{4+3}{2}$		206 ~~236~~	
——do——	2	7	$\frac{4+3}{2}$		49	✓
Pier No 6	2	$28\frac{1}{2}$	3		171	✓
——do——	2	6	3		36	✓
Pier No 7	2	$28\frac{1}{2}$	$\frac{4+3}{2}$		200	✓
——do——	2	6	$\frac{4+3}{2}$		42	✓
Pier No 8	2	$31\frac{1}{2}$	$\frac{4+3}{2}$		220	✓
——do——	2	8	$\frac{4+3}{2}$		56	✓
Pier No 9	2	$30\frac{1}{2}$	$\frac{4+3}{2}$		213	✓
do——	2	7	$\frac{4+3}{2}$		49	✓
Pier No 11	2	$30\frac{1}{2}$	$\frac{3+3\frac{1}{4}}{2}$		191	✓
——do——	2	7	$\frac{3+3\frac{1}{4}}{2}$		44	✓
Pier No 11	2	$32\frac{1}{2}$	$\frac{5+3}{2}$		260	✓
——do——	2	$8\frac{1}{2}$	$\frac{5+3}{2}$		68	✓
Pier No 12	2	$29\frac{1}{2}$	$\frac{3+7}{2}$		295	✓
——do——	2	$6\frac{1}{2}$	$\frac{3+7}{2}$		65	✓
Carried over					3644	

Chisel cutting (Cont-5) B.7 2706

Pier No. 12	1	29½	6½		192
—do— 13	1	27½	5½		151
—do— 14	1	28½	6½		185 ~~171~~
—do— 15	1	26½	5		133
Right abutment	1	21¾	7		152
Counterforts	2	4	4⅜		35
—do—	1	3	5		15
Wings	2	10½	av 6¾		142
Newels	2	5⅜	2⅜		26
Total					3737 3723 sft 3737 3723

Diversion and baling water (of stream baling water including the cost of machinery, pumps and working charges and other sundry unforeseen works etc etc) Lumpsum Rs ~~3000~~ 10,000

Concrete in Surki mortar

Filling in holes and levelling inequalities Lumpsum 500

Covering over arches —do— 2500

Total 3000 cft 3000

Stone in mortar:—

Foundation.

Left abutment.	1	21¾	7¼	3	~~437~~ 473
Counterforts	2	4	4⅛	3	99
—do—	1	3	5	3	45
Wings	2	10½	av 10⅜	3	653
Newels.	2	9½	2⅜	3	135
Pier No. 1 [illegible]	1	28½	6	3	513
abutments —do— 2 —Do—	1	29½	7	3	620
—do— 3 46·00 6·49·50	1	28½	6½	3	556
—do— 4 49·00 6·52·50	1	28½	6	3	513
abutments —do— 5 46·50 6·49·50	1	29½	7	3	620
—do— 6 —Do—	1	28½	6	3	513
Carried over					4740

Stone in mortar foundation (Contd) B.7

Pier No.	1	28½	6	3	513
—do— 8	1	31½	8	3	756
—do— 9	1	30½	7	3	640
—do— 10	1	30½	7	3	640
—do— 11	1	32½	8½	3	829
—do— 12	1	29½	6½	3	575
—do— 13	1	27½	5½	3	454
—do— 14	1	28½	6½	3	586
—do— 15	1	26½	5	3	397
Right abutment	1	21 3/4	7	3	457
Counterforts Side	2	4	4 3/8	3	35
—do— Centre	1	3	5	3	45
Wings	2	10½	6 3/4	3	425
Newels	2	5 3/8	2 3/8	3	77

Total 10503 off 10

one in mortar :— hammer dressed.

Superstructure upto

Springing Level 70.00

Left abutment 50.50 to 54.00	1	21 3/4	6 3/4	3½	514
—do— 54.00 to 62.00	1	21 3/4	6 1/4	8	1087
—do— 62.00 to 70.00	1	21 3/4	6	8	1044
Counterforts Side 50.50 to 54.00	2	4	3 1/8	3½	88
—do— Centre —do—	1	3	4 1/2	3½	47
—do— Side 54.00 to 77.25	2	4	3 3/8	28 1/4	602
—do— Centre 54.00 to 70.50	1	3	4	18½	222
Wings 50.50 to 54.00	2	10½	9 7/8	3½	726
—do— above 54.00	2	10½	9 3/8 + 17/8 / 2	23½	2756
Newels 50.50 to 54.00	2	9	2 1/2	3½	134
—do— 54.00 to 70.00	2	8 2/3 + 17/8 / 2	17/8	20	359

Carried over.....

Stone in mortar (Contd)					7689	
2nd floor 50.50 to 54.00	1	22	5½	3½	423	✓
C/W wall	2	5½/2	2¾	3½	53	✓
54 to 62.00	1	21½	5	8	860	✓
C.W	2	5/2	2½	8	100	✓
62.00 to 70.00	1	21	4½	8	756	✓
C/W walls	2	4½/2	2¼	8	81	✓
abutments. 2nd floor 50.50 to 54.00	1	22	6½	3½	500	✓
C/W	2	6½/2	3¼	3½	74	✓
54.00 to 62.00	1	21½	6	8	1032	
C.W	2	6/2	3	8	144	✓
62.00 to 70.00	1	21	5½	8	924	
C.W	2	5½/2	2¾	8	121	✓
3rd floor 49.50 to 54.00	1	22	5½	4½	544	✓
C-W	2	5½/2	2¾	4½	68	✓
54.00 to 62.00	1	21½	5	8	860	✓
C.W	2	5/2	2½	8	100	✓
62.00 to 70.00	1	21	4½	8	756	✓
C.W	2	4½/2	2¼	8	81	✓
2nd floor 50.50 to 54.00	1	22	6½	3½	15166 500	
C.W.	2	6½/2	3¼	3½	74	
54.00 to 62.00	1	21½	6	8	1080	
C.W.	2	6/2	3	8	144	
62.00 to 70.00	1	21	5½	8	968	
C.W.	2	5½/2	2¾	8	121	
3rd floor 49.50 to 54.00	1	22	5½	4½	544	
C.W.	2	5½/2	2¾	4½	68	
54.00 to 62.00	1	21½	5	8	860	
C.W	2	5½/2	2½	8	100	
62.00 to 70.00	1	21	4½	8	756	
C.W	2	4½/2	2¼	8	81	
Carried over						

4 4½ fir	52.00	54.00	1	22	5½	2	242
	C. W.		2	5½/2	2¾	2	30
	54.00	62.00	1	21½	5	8	860
	C. W.		2	5/2	2½	8	100
	62.00	70.00	1	21	4½	8	756
	C. W.		2	4½/2	2¼	8	81
5 5/8 fir	49.50	54.00	1	22	6½	4½	643
	C. W.		1	6½/2	3¼	4½	90
	54.00	62.00	1	21½	6	8	1080
	C. W.		2	6/2	3	8	144
	62.00	70.00	1	21	5½	8	924
	C. W.		2	5½/2	2¾	8	121
6 5/8 fir	49.50	54.00	1	22	5½	4½	544
	C. W.		2	5½/2	2¾	4½	68
	54.00	62.00	1	21½	5	8	860
	C. W.		2	5/2	2½	8	100
	62.00	70.00	1	21	4½	8	756
	C. W.		2	4½/2	2¼	8	81
7 5/8 fir	51.00	54.00	1	22	5½	3	363
	C. W.		2	5½/2	2¾	3	45
	54.00	62.00	1	21½	5	8	860
	C. W.		2	5/2	2½	8	110
	62.00	70.00	1	21	4½	8	756
	C. W.		2	4½/2	2¼	8	81
8 5/8 fir	37.00	38.00	1	23	7½	1	173
	C. W.		2	7½/2	3¾	1	28
	38.00	46.00	1	22½	—	8	230
	C. W.		2	7½	3½	8	196
	46.00	54.00	1	22	6½	8	1144
	C. W.		1	6½/2	3¼	8	143
	54.00	62.00	1	21½	6	8	1032
	C. W.		2	6/2	3	8	144

							28870
	62.00 to 70.00	1	21	5 7/2	8	924	✓
	C.W.	2	5 7/2 / 2	2 3/4	8	121	✓
9 B. pier	34.50 to 38.00	1	23	6 1/2	3 1/2	523	✓
	C.W.	2	6 1/2 / 2	3 1/4	3 1/2	74	✓
	38.00 to 46.00	1	22 1/2	6	8	1080	✓
	C.W.	2	6/2	3	8	144	✓
	46.00 to 54.00	1	22	5 1/2	8	968	✓
	C.W.	2	5 1/2 / 2	2 3/4	8	121	✓
	54.00 to 62.00	1	21 1/2	5	8	860	✓
	C.W.	2	5/2	2 1/2	8	100	✓
	62.00 to 70.00	1	21	4 1/2	8	756	✓
	C.W.	2	4 1/2 / 2	2 1/4	8	81	✓
10 B. pier	31.00 to 38.00	1	23	6 1/2	7	1046	✓
	C.W.	2	6 1/2 / 2	3 1/4	7	148	✓
	38.00 to 46.00	1	22 1/2	6	8	1080	✓
	C.W.	2	6/2	3	8	144	✓
	46.00 to 54.00	1	22	5 1/2	8	968	✓
	C.W.	2	5 1/2 / 2	2 3/4	8	121	✓
	54.00 to 62.00	1	21 1/2	5	8	860	✓
	C.W.	2	5/2	2 1/2	8	100	✓
	62.00 to 70.00	1	21	4 1/2	8	756	✓
	C.W.	2	4 1/2 / 2	2 1/4	8	81	✓
abutment 11 B. pier	27.00 to 30.00	1	23 1/2	8	3	564	✓
	C.W.	2	8/2	4	3	96	✓
	30.00 to 38.00	1	23	7 1/2	8	1380	✓
	C.W.	2	7 1/2 / 2	3 3/4	8	225	✓
	38.00 to 46.00	1	22 1/2	7	8	1260	✓
	C.W.	2	7/2	3 1/2	8	196	✓
	46.00 to 54.00	1	22	6 1/2	8	1144	✓
	C.W.	2	6 1/2 / 2	3 1/4	8	169	✓
	54.00 to 62.00	1	21 1/2	6	8	1032	✓
	C.W.	2	6/2	3	8	144	✓
						46136	

Carried over.

Brought forwards					58339
Above Spring Level					
Face Wall	2	572	2½	9¼	26,455 ✓
Skew backs to abutments	2	21	6+5/2	1½	346 ✓
Backing over abutment (See detailed Section is furnished)	2	16	5 ave	2½	400 ✓
Triangular portion or haunches over abutment (AHB 9/4/15)	2	16	20	-	640 ✓
Skew backs over piers	10	21	4½+2½/2	×1½	1103 ✓
abutments — Do —	5	21	5½+3½/2 ave	1½	709 ✓
Spandrils	10	16	21		3360 ✓
— Do —	5	16	25		2,000 ✓
Blocking Course	2	572	2¼	1½	3,861 ✓
Base of parapet wall	2	572½	2	½	1145 ✓
parapet	2	572	1½	2	3432 ✓
pillaster over abutment	2×2×2	4½	⅜	9¼	125 ✓
Do — over piers	2×10	4½	⅜	9¼	312 ✓
Do — Do —	2×8	5½	⅜	9¼	191 ✓
— Do — of parapet walls					
— Above abutment	2×2×2	4½	⅜	4¾	64 ✓
— Do — piers	2×10	4½	⅜	4¾	160 ✓
— Do — Do —	2×8	5½	⅜	4¾	~~89~~ 98
Total					~~99969~~ 102,740
Deductions: —					
Archways	2×16	157 area ÷ 11/3	2½		12580 ~~1258~~ 7
Archwork	2×16	~~36·40~~ 36·57	2½	1¾	5111 ~~5096~~
Skew backs	2×10	4½+2½/2	×2½	1½	263 ✓
— Do —	2×8	5½+3½/2	×2½	1½	169 ✓
Corbel Slabs over piers and abutments	2×16	21	1½	½	504 ✓
— Do — at footings	~~2×10~~	21 ~~1½~~	1½	½	1181 ~~22~~
— Do —	2×5	2½	1½	½	19
Cut waters as detailed					5320 ~~5414~~ X
Total Deductions					~~24074~~ 25128

Balance Stone in Mortar — cft 7589

Archwork. —

Ring stone	2×3 30.0	2	$\frac{3}{4}$	4077
Deduct for Key Stones —	2×6 $\frac{1}{2}$	2	$1\frac{3}{4}$	56
Balance				4133 cft 4133

Archwork.

Sheelings	2×3 36.0	$\frac{7}{12}$	$1\frac{3}{4}$	34653
Deduct for Key Stones —	16 17	$\frac{1}{2}$	$1\frac{3}{4}$	238
Balance —				34415 — cft 34415
Key Stones —	16 $2\frac{1}{3}$	$\frac{\frac{2}{3}+3}{2}$	2	341 cft 341

Securing Charges $\frac{1}{3}$ Cube Brickwork

Cable Stones —	2×6 $2\frac{1}{2}$	2	$\frac{1}{2}$	688
— Do —	2×6 $1\frac{1}{2}$	2	$\frac{1}{2}$	30
Cable Slate over Caps	2×7 $2\frac{1}{2}$	2	$\frac{1}{2}$	25 —
— Do —	2×3 $\frac{5}{2}$	$2\frac{1}{2}$	$\frac{1}{2}$	62
— Do —	2×5 $\frac{5}{2}$	3	$\frac{1}{2}$	45
Total —				850 cft 850

Stone in Mortar: —

Cut Slabs as in Deductions —				5444
Deduct: —				
Cable slabs between Caps	2×6 $\frac{4\frac{1}{2}}{2}$	$2\frac{1}{4}$	$\frac{1}{2}$	202
— Do —	2×5 $\frac{5\frac{1}{2}}{2}$	$2\frac{1}{4}$	$\frac{1}{2}$	76
Total deductions				278
Balance —				5436
Caps over Cut Slabs & Pier —	2×6 $\frac{4\frac{1}{2}}{2}$	$2\frac{1}{4}$	$\frac{1}{3}$	76
— Do —	2×5 $\frac{5\frac{1}{2}}{2}$	$2\frac{1}{4}$	$\frac{1}{3}$	69
Total —				5281 cft 5281
Coping Slab over Parapets	2 573	2	$\frac{3}{4}$	1719
Newels	2×2 $1\frac{7}{8}$	$1\frac{7}{8}$	$\frac{3}{4}$	35 —
Total —				1754 cft 1754

Burnt Stone Slabs :—							
Over Wings :—	2×2	11.	2 1/4	(1/2)	99	✓	
over Newels :—	2×2	2 1/4	2 1/4	(1/2)	20	✓	
Total					119	Sft	119 ✓
Cut Stone Work :—							
Cornice including pillasters projections	2	588			1176	Rft	1,176
Surki pointing :—							
Left abutment :—	1	21 3/4	19 1/2		424	✓	
Left Wings	2	10 1/2	20 2/3		497	✓	
Newels	2	1 7/8	20		75	✓	
— 20 —	2	(8 1/2 + 1 7/8)/2	×20		208	✓	
pier no : I.	2	21 1/2	19 1/2		839 ~~833~~		
Cut waters	2×2	5	19 1/2		390	✓	
pier no : 2	2	22 1/2	19 1/2		877	✓	
Cut waters	2×2	6	19 1/2		468	✓	
pier no : 3.	2	21 1/2	20 1/2		881	✓	
Cut waters	2×2	5	20 1/2		410.	✓	
pier no : 4.	2	21 1/2	18		774	✓	
Cut waters	2×2	5	18		360	✓	
pier no : 5	2	22 1/2	20 1/2		922	✓	
Cut waters	2×2	6	20 1/2		492	✓	
pier no : 6.	2	21 1/2	20 1/2		881	✓	
Cut waters	2×2	5	20 1/2		410	✓	
pier no : 7	2	21 1/2	19		817	✓	
Cut waters	2×2	5	19		380	✓	
pier no : 8	2	22 3/4	33		1503	✓	
Cut waters	2×2	6 1/4	33		825	✓	
pier no : 9	2	22	35 1/2		1562	✓	
Cut waters	2×2	5 1/2	35 1/2		781	✓	
Total carried over					14776		

Pier No	2 22 30	17.6
Cut waters	2×2 5½ 30	858
Pier No. 11	2 23¼ 43	1599
Cut waters	2×2 7¼ 43	1247
Pier No. 12	2 23¾ 32	1392
Cut waters	2×2 5¼ 32	672
Pier No 13	2 21¼ 16½	659
Cut waters	2×2 4¾ 15½	294
Pier No. 14	2 22¼ 10	445
Cut waters	2×2 6 10	240
Pier No. 15	1 21 8½	147
Cut waters	2×2 4½ 3½	63
Right abutment	1 2¾ 3½	76
Wings	2 10½ 10⅜	213
Levees	2 2⅜ 11½	28
— Do —	2 $\frac{4\frac{3}{8}+\frac{7}{8}}{2}$ × 11½	47
Face walls	2 57 2 3¼	10,583
Surface of arches	6 21 3 17	11,984
Parabolic walls and Curved walls	2 572 9	10296
Ends	4×2×4¾ × 2	38
Stepping stones between piers	Excavation	700
		58457

Extra

Curtains —

Arches	2×3 5½	535
Total Curtains		53122½ 53182
4" Stone Copes	4	4 @ ¼
— Do — Walls	2×4	34 @ 34
2 Iron pipes with Faces	2×6	32 @ 32
Cast iron Traps	2×3	32 @ 32

Inscription Stone	1			1	No.	1
Filling with stone chips between face walls, over haunches and spandrils	15	16	area 74	17760	✓	
	2	16	40	1280	✓	
Total				19040	Cft.	705
Filling with gravel between blocking Course	✓ 1	✓ 572	17½	1½ 15015	✓	
Deduct				485	✓	
Total				15300	Cft.	574
Earthwork to approaches — raising embankment including watering and tamping: —						
Left C.S. 1 to 2	1	68/3	0+2½ / 2×9	3	✓	
2 to 3	1	3/3 ✓	2½+52½ / 2×9	3	✓	
3 to 4	1	80/3 ✓	52½+57 / 2×9	156	✓	
4 to 5	1	2/3 ✓	57+89½ / 2×9	5	✓	
5 to 6	1	56/3 ✓	89½+82½ / 2×9	180	✓	
6 to 7	1	2/3 ✓	82½+155 / 2×9	17	✓	
7 to 8	1	63/3 ✓	155+153 / 2×9	359	✓	
8 to 9	1	3/3 ✓	153+222½ / 2×9	21	✓	
9 to 10	1	93/3 ✓	222½+219½ / 2×9	761	✓	
10 to 11	1	20/3 ✓	219½+239½ / 2×9	170	✓	
11 to 12	1	100/3 ✓	239½+232 / 2×9	872	✓	
12 to 13	1	2/3 ✓	232+361½ / 2×9	22	✓	
13 to 14	1	38/3 ✓	361½+233½ / 2×9	419	✓	
Carried over				2988		

Section 6 (continued)

C.S. 14 to 15	1	$\frac{4}{3}$	$\frac{28\frac{1}{2}+23\frac{1}{2}}{2\times 9}$	38
15 to 16		$\frac{21}{3}$	$\frac{23\frac{1}{2}+20\frac{1}{2}}{2\times 9}$	776 /
16 to 17		$\frac{10}{3}$	$\frac{20\frac{1}{2}+22\frac{1}{2}}{2\times 9}$	533 /
17 to 18	1	$\frac{22}{3}$	$\frac{20+19\frac{1}{2}}{2\times 9}$	254 /
Right — 19 to 20	1	$\frac{17\frac{1}{2}}{3}$	$\frac{15\frac{1}{2}+5\frac{1}{2}}{2\times 9}$	3,333 /
20 to 2		$\frac{39\frac{1}{2}}{3}$	$\frac{5\frac{1}{2}+50\frac{1}{2}}{2\times 9}$	5584
21 to 22		$\frac{10\frac{1}{2}}{3}$	$\frac{5\frac{1}{2}+1}{2\times 9}$	2334
Total —				46,424
Deduct quantity omitted from rile				3751
Balance —				42,673
Less for carrying the five cuts				42,576

Jumping:—

Left C.S. 1 to 2		$\frac{22}{3}$	$\frac{0}{2\times 3}$	
2 to 3		$\frac{3}{3}$	$\frac{1+4}{2\times 3}$	
3 to 4		$\frac{24}{3}$	$\frac{4+5\frac{1}{2}}{2\times 3}$	33
4 to 5		$\frac{2}{3}$	$\frac{3\frac{1}{2}+2\frac{1}{2}}{2\times 3}$	1
5 to 6		$\frac{56}{3}$	$\frac{7\frac{1}{2}+5}{2\times 3}$	27
6 to 7		$\frac{2}{3}$	$\frac{5-11}{2\times 3}$	2—
7 to 8	1	$\frac{63}{3}$	$\frac{11+4}{2\times 3}$	73

		B roughtt forwards			141		
Surfing (Cuts)							
C S 8 to 9		1	3/3	10+14/2×3	14	✓	
9 to 10		1	93/3	14+14/2×3	145	✓	
10 to 11		1	20/3	14+15/2×3	32	✓	
11 to 12		1	100/3	15+15/2×3	167	✓	
12 to 13		1	2/3	15+17/2×3	4	✓	
13 to 14		1	38/3	17+16/2×3	69	✓	
14 to 15		1	4/3	16+19/2×3	8	✓	
15 to 16		1	80/3	19+16/2×3	156	✓	
16 to 17		1	110/3	16+16/2×3	196	✓	
17 to 18.		1	32/3	16+16/2×3	57	✓	
Right	19 to 20	1	270/3	13+30/2×3	645	✓	
	20 to 21	1	300/3	30+28/2×3	967	✓	
	21 to 22	1	250/3	28+0/2×3	389.	✓	
	Total				2970	sft	297
Metalling including lead		1	1728/3	4/3	6/12×3	128	cyds	128
Gravelling — Do —		1	1728/3	4/3	1½/12×3	32	cyds	32
Railing with Stone posts and one row of S. M. Rails: —							
Left approach		2	200			400	✓	
Right approach		2	300			600	✓	
Total						1000	sft	100

p. T. O.

Compensation for land	Lump	Sicca Rupees	1,000
Temporary establishment charges	Lump	Sicca Rupees	2,000
Sanitary and medical charges	... do ...		1500
Conveying temporary quarters for one officer, 2 Subordinates 2 clerks & 3 mistries	Lump	Sicca Rupees	3000
Tramway materials	... do ...		1000
Temporary cooly lines	... do ...		500
Tools and plant required for the work	... do ...		2000
Unforeseen charges (such as heavy machinery and working of the Lines) for 3 years etc. etc.	Lump	Sicca Rupees	10,000

Abstract Estimate of the probable cost of Constructing a Bridge ac. ss the Hemavathi River near Gaurr in Hassan Taluk. Hass. Distrct.

Springing level 70.00
H. F. L. of 1911 is 74.50 is 3 feet below crown of arch.

Number	Items of Work	Per	Rate	Quantity	Cost
1	Earth work excavation in sand ordinary clay and black cotton soil	Cyd	" 3 "	13507	253.
2	Earth work excavation in soft hard and gravelly soil	do	" 4 "	2918	72
3	Removing loose rocks and boulders at site	1	1 " "	300	300
4	Blasting rock above ground level at site	do	2 8 "	300	750
5	Blasting rock below ground level	do	4 " "	611	2444
6	Chisel cutting sides of foundation	Sft	" 2 "	4683	585
7	Chisel cutting bottom of foundat	Sft	" 3 "	3737	701
8	Concrete in Surki mortar	Cft	" 3 "	3000	563
9	Stone in mortar filling foundation	Cft	" 4 "	11209	2802
10	Stone in mortar hammer dressed This rate is necessary as the height of the layers are more } Superstructure average rate	Cft	" 5 6	77612	26,679
11	Arch work during pins	Cft	2 " "	4137	8,274
12	Arch work Shuttering	Cft	1 " "	34519	34,519
13	Key Stones	Cft	2 " "	341	682
14	Cut Stone work:— Corbel slabs over cut waters	Cft	" 12 "	2407	1,805
	Carried over				82366

	Brought forward					83366
15	Stone in mortar 'cut water and caps	cft	"	5	5376	2688
16	Coping slabs over parapet	Cft	1	2	1780	1730
17	Buried Stone slabs dressed	Sft	"	6	119	45
18	Cut Stone work cornice	Cft	2	"	1175	2350
19	Sarki pointing	Sq.	2	8	531·42	1329
20	Guard Stones Large	No.	12	"	4	47
21	Guard Stone Small	No.	5	"	34	170
22	Iron Spikes	No.	5	"	32	160
23	Perforated iron traps	No.	5	"	32	160
24	Filling with Stone chips between face walls	Cft	"	5	705	221
25	Filling with gravel between blocking course	Cft	"	4	574	143
26	Earth work to approaches raising embankment and lamping	Cft	"	2	7183	1422
27	Lead for earth available from cutting	Cft	"	1	9751	609
28	Surfing	Sft	"	"	2970	124
29	Metalling including average lead	Cft	1	2	128	144
30	Travelling including average lead	Cft	"	9	32	16
31	Railing with one row of S. K. rails and Stone posts	Rft	1	4	1000	1250
	Total Rupees					95676
	Contingencies at 5 per cent					4724
	Total carried over					100400

	Total brought forward			1,00,40
33	Centering charges	Lump Sum	Rupees	14,00
34	Compensation for land	do		1,00
35	Inscription Stone	do		500
36	Temporary establishment charges	do		2,00
37	Sanitary and medical charges	do		1,50
38	Constructing temporary quarters for one officer, two Subovorseers, two clerks and three maistrys	do		3,00
39	Tramway materials	do		1,00
40	Temporary cooly lines	do		500
41	Tools, coals, fobalt required for the work	do		2,000
42	Diversion of Stream, baling water including the cost of machinery pumps and working charges and other sundry unforeseen works etc etc	do		10,000
	Grand total Rupees			1,35,90

(Sd.) K. K. Seshachar
Executive Engineer
Hassan Division

Bangalore
Dated 2nd July 1915

V. Thyagarajan
Superintending Engineer
Southern Circle
2/7.

Enc 5
Es-174-13
Estimate No. II

Mysore Public Works Deptt.

Hassan Division

Estimate of the probable cost of Reconstructing a Bridge across the River Hemavathi River near Gorur Hassan Taluk Hassan District

Recapitulation

Amount of Estimate Rs. 1,35,900/-

Abstract.

Items of work.	Per	Rate	Quantity	Cost
1 Earthwork excavation in Sand, ordinary clay and black-cotton Soil.	cyd	- 3 -	13507 / ~~12728~~ 11128	253 / ~~238~~ 208
2 Earthwork excavation in soft, hard and gravelly soil	cyd	- 4 -	2918 / ~~2198~~ 1898	729 / ~~475~~
3 Removing loose rocks + boulders at site	cyd	1 - -	300	300
4 Blasting rock above ground level at site (3-50)	cyd	2 8 -	300 / 611 ~~617~~	750 / ~~2468~~ 2144
5 Blasting rock below ground level —	cyd	4 - -	~~470~~	~~1880~~
6 Chisel cutting sides of foundation —	sft	- 2 -	4683 / ~~4476~~ 3737	585 / ~~560~~ 701
7 Chisel cutting bottom of foundation	sft	- 3 -	~~3723~~	~~698~~
(8) ~~Diversion and baling water &c~~	lumpsum			~~3000~~
8 Concrete in Sukki mortar	cft	- 3 -	3000	563
9 Stone in mortar filling foundation	cft	- 4 -	11209 / ~~10503~~	2805 / 2626
10 Stone in mortar hammerdressed } Superstructure —	×	5 6	77612	~~26089~~ 26679
(* This rate is necessary as the height of faces are known) Average rate	cft	~~6~~	~~75896~~	~~28461~~
11 Arch work. Ring fins: Extra over rate for Stone work in mortar (2-0-0)	cft	2 - -	4137 / ~~4133~~	8274 / ~~4133~~
12 Arch work. Sheeling: — Extra over rate for Stone work in mortar (1-0-0)	cft	1 ~~12~~ .	34519 / ~~34415~~	~~25811~~
13 Key stones: —	cft	2 - -	341	682
bearing charges 1/3 of arch work —	30626 / 3			10208
14 Cut Stone work: — corbel slabs over cutwaters	cft	- 12 -	2407 / ~~850~~	1805 / 637
15 Stone in mortar Cut waters and Cops.	cft	- 8 -	5376 / ~~5281~~	2688 / 2641
16 Coping Slab over parapet —	cft	1 - -	1730 / ~~1754~~	1730 / 1754
17 Burnt Stone slabs dressed: —	sft	- 6 -	119	45 / 65
18 Cut stone work. Cornice: —	cft	2 - -	1176	2352 / ~~2650~~
Carried over —			105417	~~89983~~ 89983

Alternative estimate with Rail underway moulded at 2 feet below the crown of the arches.

Boston Public Parks Department

Springy Lands & acs 70.

Olmsted Brothers

Estimate of the probable cost of constructing a bridge over the Muddy River between a point near Agassiz Road &

Approximate Estimate No. 10 [illegible]

	Brought forward: —				105417	~~84599~~ 89943
19	Sorki pointing: —	Sqr	2	8	531.42	1329 ~~1328~~
20	Gaurd Stones: large —	no:	12		4	48
21	Gaurd Stones Small —	no:	5		34	170
22	Iron pipes	no:	5		32	160
23	Perforated iron traps	no:	5		32	160
X	~~Inscription Stone —~~	~~no~~	~~200~~		~~1~~	~~200~~
24	Filling with stone chips between face walls	cyd		5	705	220
25	Filling with gravel between ~ blocking course	cyd		4	574	143
26	Earthwork to approaches raising embankment including watering + tamping.	cyd		2 6	~~7173~~ 7183	~~1121~~ 1121
27	Lead for earth available from cutting: —	cyd		1	975-1	609
28	Turfing: —	Syd		8	2970	124
29	Metalling including average lead: —	cyd	1	2	128	144
30	Gravelling — do —	cyd		8	32	16
31	Railing with one row of S. M. Rails and stone posts.	Rft	1	4	1000	1250
	Compensation for land — Lumpsum —					1,000
	Total —			95676		~~95292~~ 96676
32	Contingencies at 5%			4724		~~4764~~ ~~4834~~
	~~Grand~~ Total Rupees: —			100400		~~100056~~ 101510

Calculated
Checked.
1.5.15.

K. R. Sesha
Executive En
Hassan

33	Temply establishment charges.	Lump Sum Repay	2,000
34	Sanitary and medical charges	do	1,500
35	Temply Lumpsum quarters for one officer, 2 Sub ors 2 clerks to maistries	do	3,000
36	Tramway materials	do	1000
37	Temporary cooly lines	do	500

TELEGRAPHIC ADDRESS: *Statewoks.*

D 4503

164

No. 5769

Ans: 9.

MYSORE P. W. DEPARTMENT.

CENTRAL OFFICE,

Bangalore 15th June 1916.

L.B. 179-13-9

From

Rajasabhabhushana
KARPUR SHRINIVASRAO, ESQ., B.SC., L.C.E.,
Chief Engineer of Mysore,
Bangalore.

To

V.R.Thyagaraja Iyer, Esq., M.A.,
Secretary to Government,
Revenue Department.

Sir,

Adverting to this office No.2206 dated the 7th March 1916, I have the honour to forward for favour of orders, the accompanying project amounting to Rs 1,61,700 for the construction of the bridge across the river Hemavati at Gorur.

2. The necessity for the work is explained in the report attached to the estimate.

3. The estimate provides for constructing a bridge of 16 arch of 30 feet span with ¼ rise and the design adopted is almost similar to the one constructed at Hole-Narsipur.

4. A copy of the estimate has been forwarded to the Deputy Commissioner of the Hassan District for collecting the loans promised and to arrange for loan required for financing the scheme.

5. The file of your office is herewith returned.

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Engineer of Mysore.

V.N.S.

SPJ—5,303-16-1-15

191 .

MYSORE P. W. DEPARTMENT.

No. 5760

From

THE CHIEF ENGINEER OF MYSORE,

Bangalore.

To

The Secretary to Government,

Revenue Department,

Bangalore.

Dated Bangalore 14th June 1916.

Despatched 16th June 1916.

Evidence No. 9 { 1 File of 11 Pages, 3 Tracings, 1 Estimate, 1 Report, 2 Statements, 1 Survey map

SUBJECT.

Construction of a bridge across the river Kumavathi at Gorur.

N Construction of bridge across the river Hemavathi near Gorur Hskaldgd Tk.

G.R.S. 28] 9/12

File No. 179-13

Serial No. 9

Diary No. of letter replied to 4503(G.S.-16).

Proceedings of the Government of His Highness the Maharaja of Mysore

GENERAL AND REVENUE SECRETARIAT.
(GS.)

Cent file

READ— letter no. 33/s dt 17.7.1915 from the Deputy Comr, Hassan Dt. reporting as called for in accordance with the Diwan's tour note dt 20.2.1914 that the Construction of a bridge across the Hemavathi river near Gorur is very necessary & that owing to the unsatisfactory condition of the District Board finances, the Entire Cost of Construction

, the 191

Date of issue 1.1.12.16.

Signed by Mr P. Mahadevaiya

lay this be

i printed?

ii treated as a standing order?

iii published in the Gazette English part?

iv translated?

v placed at the disposal of the Press?

vi published in the Gazette Kannada part?

ORDER THEREON. ~~No.~~

over.

SUBJECT.

GPB—50,000—1-12-12

may be met from the State funds, and that the private loan of Rs. 65,000, referred to in the Govt. notes may be accepted by Govt. at 4 per cent interest for a period of 30 years, the said loan being repayable either partly or wholly from the toll realizations on the said proposed bridge.

2 Correspondence ending with letter 5769 dt 15-6-1916 from the Chief Engineer of Mysore submitting an estimate for Rs. 1,61,700 along with an explanatory memo explaining the necessity for the bridge in question.

Order no. 3772-L-3817-13 dt

In the circumstances represented, Govt. are pleased to sanction the project of constructing a bridge across the Hemavati near Gorur at a reduced cost of Rs. 130,000. For carrying out the scheme, the District Board may raise a private loan of

G. R. S. 27]

GENERAL AND REVENUE SECRETARIAT.

(*Continuation sheet draft form.*)

and obtain a Contribution from Govt, towards the cost, to the extent of the loan raised. But the work may be started only after the deposit of the sanctioned loan referred to above.

Rs. 65000 as suggested & deposit the same, supplemented by the Govt. Contribution of the cost to the extent of the loan raised. But the work may be started only after the deposit of the sanctioned loan referred to above.

Revised draft submitted herewith for approval & issue.

8/IV/16

Dr Pg Secy to Govt. Rev Dept.

To

The Deputy Comr & President, District Board, Hassan

" Controller,

" Ch Engineer with estimate & plans.

(Copy to the Budget clerk)

GPB.—20,000—7-7-14